

ABSTRACT

A method for generating a multihydrated hydronium ion including the steps: agitating water to reduce cluster size, mixing sulfuric acid in the water, adding a solution containing Ca^{3+} ions, removing precipitated Ca sulfate, cooling the resultant liquid to a form a slush, filterin out ice from the slush, distilling free water from the remaining liquid wherein the remaining liquid is H_9O_4^+ .